

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: JHU1870-1	Serial No.: 10/507,252
	Applicants: Boeke and Bolton	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 28, 2005	Group Art Unit: 1657

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	5,206,347	04/27/1993	Ruoslahti and Pierschbacher			
	AB	5,225,212	06/06/1993	Martin et al.			
	AC	5,264,563	11/23/1993	William D. Huse			
	AD	5,314,695	05/24/1994	Scott M. Brown			
	AE	5,395,619	03/07/1995	Zalipsky et al.			
	AF	5,622,699	04/22/1997	Ruoslahti and Pasqualini			
	AG	5,750,342	05/12/1998	Stephens et al.			
	AH	5,882,679	03/16/1999	David Needham			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	AI	Ash and Schramm, "Determination of Free and Bound Manganese(II) in Hepatocytes from Fed and Fasted Rats", <i>J. Biol. Chem.</i> , Vol. 257, No. 16, pp. 9261-9264, 1982.
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AJ	Beeler, Troy et al., "Regulation of cellular Mg ²⁺ by <i>Saccharomyces cerevisiae</i> ", <i>Biochimica et Biophysica Acta</i> , 1323, pp., 310-318, 1997.
	AK	Bock, Charles W. et al., "Manganese as a Replacement for Magnesium and Zinc: Functional Comparison of the Divalent Ions", <i>J. Am. Chem. Soc.</i> , Vol. 121, pp. 7360-7372, 1999. (Supporting information included, 121 pages.)
	AL	Boeke, Jef. D. et al., "Ty Elements Transpose through an RNA Intermediate", <i>Cell</i> , Vol. 40, pp. 491-500, 1985.
	AM	Boeke, Jef. D. et al., "A positive selection for mutants lacking orotidine-5'-phosphate decarboxylase activity in yeast: 5-fluoro-orotic acid resistance", <i>Mol. Gen. Genet.</i> , Vol. 197, pp. 345-346, 1984.
	AN	Curcio and Garfinkel, "Single-step selection for Ty1 element retrotransposition" <i>Proc. Natl. Acad. Sci., USA</i> , Vol. 88, pp. 936-940, 1991.
	AO	De Kruif, John de et al., "Biosynthetically lipid-modified human scFv fragments from phage display libraries as targeting molecules for immunoliposomes", <i>FEBS Letters</i> , Vol. 399, pp. 232-236, 1996.
	AP	Ding, Y. et al., "Synthesis and Biological Activity of Oligosaccharide Libraries", <i>Adv. Expt. Med. Biol.</i> , Vol. 376, pp. 261-269, 1995.
	AQ	Filler and Lever, "Effects of Cation Substitutions on Reverse Transcriptase and on Human Immunodeficiency Virus Production", <i>AIDS Res. Hum. Retroviruses</i> , Vol. 13, No. 4, pp. 291-299, 1997.
	AR	Garfinkel, David. R. et al., "Ty Element Transposition: Reverse Transcriptase and Virus-like Particles", <i>Cell</i> , Vol. 42, pp. 507-517, 1985.
	AS	Gold, Larry et al., "Diversity of Oligonucleotide Functions", <i>Ann. Rev. Biochem.</i> , Vol. 64, pp. 763-797, 1995.
	AT	Goldstein, Alan L. et al., "Three New Dominant Drug Resistance Cassettes for Gene Disruption in <i>Saccharomyces cerevisiae</i> ", <i>Yeast</i> , Vol. 15, pp. 1541-1553, 1999.

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	AU	Gordon, Eric M., "Applications of Combinatorial Technologies to Drug Deiscovery", <i>J. Med. Chem.</i> , Vol. 37, No. 10, pp. 1385-1401, 1994.
	AV	Karaoghu, Denise et al., "Funcitonal Characterization of Ost3p. Loss of the 34-kD Subunit of the <i>Saccharomyces cerevisiae</i> Oligosaccharyltransferase Results in Biased Underglycosylation of Acceptor Substrates", <i>J. Cell Biol.</i> , Vol. 130, No. 3, pp. 567-577, 1995.
	AW	Lawler, Joseph F. et al., "Frameshift Signal Transplantation and the Unambiguous Analysis of Mutations in the Yeast retrotransposon Ty1 Gag-Pol Overlap Region", <i>J. Virol.</i> , Vol. 75, No. 15, pp. 6769-6755, 2001.
	AX	LeGrice, Stuart F.J. et al., "Purification and Characterization of Human Immunodeficiency Virus Type 1 Reverse Transcriptase", <i>Meth. Enzymol.</i> , Vol. 262, pp. 130-144, 1995.
	AY	Liang, Rui et al., "Parallel Synthesis and Screening of a Solid Phase Carbohydrate Library", <i>Science</i> , Vol. 274, pp. 1520-1522, 1996.
	AZ	Mandal, Sebjani et al., "Manganese Selectivity of Pmr1, the Yeast Secretory Pathway Ion Pump, Is Definted by Residue G1n ⁷⁸³ in Transmembrane Segment 6", <i>J. Biol. Chem.</i> , Vol. 275, pp. 23933-23938, 2000.
	BA	Mellor, Jane et al., "Reverse transcriptase activity and Ty RNA are associated with virus-like particles in yeast", <i>Nature</i> , 318, pp. 583-586, 1985.
	BB	Sikorski and Hieter, "A System of Shuttle Vectors and Yeast Host Strains Designed for Efficient Manipulation of DNA in <i>Saccharomyces cerevisiae</i> ", <i>Genetics</i> , Vol. 122, pp. 19-27, 1989.
	BC	Steitz, Thomas A., "DNA Polymerases: Structural Diversity and Common Mechanisms", <i>J. Biol. Chem.</i> , Vol. 274, No. 25, pp. 17394-17398, 1999.
	BD	Wei, Li-Na et al., "Receptor-interacting Protein 140 Directly Recruits Histone Deacetylases for Gene Silencing", <i>J. Biol. Chem.</i> , Vol. 275, No. 52, pp. 40782-40787, 2000.

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	BE	Wilhelm, Marcelle et al., "Expression of an active form of recombinant Ty1 reverse transcriptase in <i>Escherichia coli</i> : a fusion protein containing the C-terminal region of the Ty1 integrase linked to the reverse transcriptase-RNase H domain exhibits polymerase and RNase H activities", <i>Biochem J.</i> , Vol. 38, pp. 337-342, 2000.
	BF	Xu and Boeke, "Host genes that influence transposition in yeast: The abundance of a rare tRNA regulates Ty1 transposition frequency", <i>Proc. Natl. Acad. Sci.</i> , Vol. 87, pp. 8360-8364, 1990.
	BG	York, William S., "The structures of arabinoxyloglucans produced by solanaceous plants", <i>Carb. Res.</i> , Vol. 285, pp. 99-128, 1996.

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